CTR Employer Survey Report

Employer Id: E81018

Employer: Crane Aerospace & Electronics

Non-Drive Alone & One-Way VMT Rates at this Worksite

One-Way VMT per employee: 14.7

Non-Drive Alone Rate: 28.1%

Drive Alone Rate: 71.9%

Worksite: Crane

Street: 10301 Willows Rd Ne

Average One-Way distance home to work: 18.0

Jurisdiction: City of Redmond

Thank you for completing your Commute Trip Reduction survey. This report contains the survey results.

Employer ID: E81018

Participation: CTR

Status: Affected

Survey Type: Online

Response Rate: 63%

Survey Date: 5/22/2017

Employees and Survey Response Information

Reported Total Employees at Worksite: 235

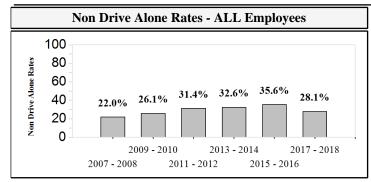
Surveys Distributed: 235

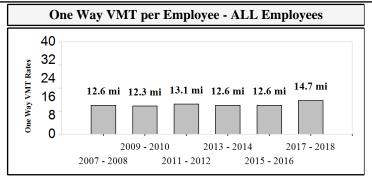
Surveys Returned: 149

Total Estimated CTR Affected Employees at Worksite: 203

Surveys Returned by CTR Affected* Employees: 129

*CTR Affected employees filled out the survey as being full-time and commuting (typically) to work at least twice between 6a and 9a, Monday through Friday.





Site History and Targets

Annual Metric Tons CO2e Pounds CO2e

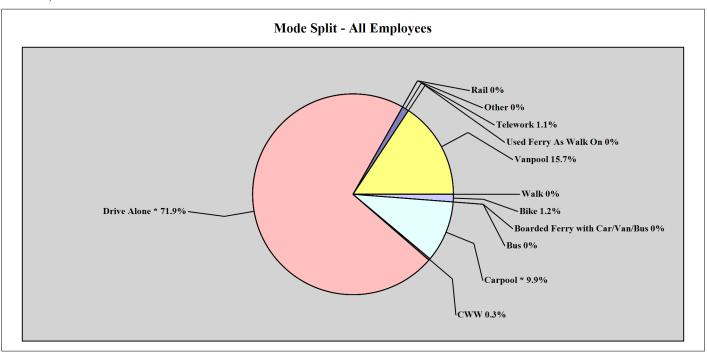
Cycle	Non Drive Alone Rate - All	Non Drive Alone Rate - CTR Affected	Emissions for Surveyed Employees	Estimated Emissions for Total Employment	GHG per Employee's Roundtrip	VMT per Employee - All	VMT per Employee - CTR Affected
2007 - 2008	22.0%	21.3%	505	681	25.6	12.6	12.5
2009 - 2010	26.1%	27.1%	228	669	25.1	12.3	12.5
2011 - 2012	31.4%	34.1%	586	743	27.9	13.1	12.2
2013 - 2014	32.6%	21.7%	612	693	26.0	12.6	12.5
2015 - 2016	35.6%	32.7%	422	690	25.9	12.6	12.2
2017 - 2018	28.1%	26.2%	483	761	28.6	14.7	13.9
Target	28.0%				Target:	10.3	
% Point Change Target:	6.0				% Change Target:	-18.0%	
% Point Change from Baseline:	6.1				% Change from Baseline:	16.7%	

GHG calculations are based on VMT and estimated total round-trip commutes for all employees. Modes that contribute to GHG include driving alone, carpooling, vanpooling, and riding a motorcycle. The use of other modes (e.g., transit, rail, walking, ferry) do not increase a worksite's GHG calculation. For more information about how GHG is calculated, please contact your jurisdiction's representative.



Commute Trips By Mode - All Employees

Q.4: Last week, what type of transportation did you use each day to commute TO your usual work location? (Mode used for the longest distance.)



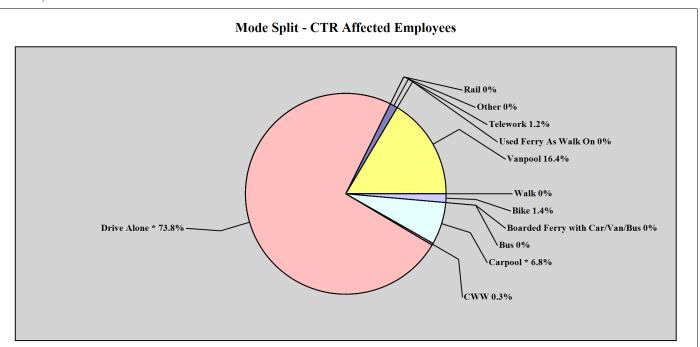
Mode	Trips During This Survey	% of Trips During This Survey	% of Trips During Previous Survey	Employees Who Used This Mode at Least Once During This Survey	% of Employees Who Used This Mode at Least Once During This Survey	% of Employees Who Used This Mode at Least Once During Previous Survey
Drive Alone *	531	71.9%	64.4%	114	76.5%	69.6%
Carpool *	73	9.9%	9.7%	17	11.4%	11.8%
Vanpool	116	15.7%	21.6%	25	16.8%	21.7%
Bus	0	0.0%	2.1%	0	0.0%	3.1%
Rail	0	0.0%	0.0%	0	0.0%	0.0%
Bike	9	1.2%	0.1%	2	1.3%	0.6%
Walk	0	0.0%	0.0%	0	0.0%	0.0%
Telework	8	1.1%	0.9%	4	2.7%	3.1%
CWW	2	0.3%	1.1%	2	1.3%	4.3%
Boarded Ferry with Car/Van/Bus	0	0.0%	0.0%	0	0.0%	0.0%
Used Ferry As Walk On	0	0.0%	0.0%	0	0.0%	0.0%
Other	0	0.0%	0.1%	0	0.0%	0.6%

^{*} Motorcycle-1 is now included in Drive Alone and Motorcycle-2 is included in Carpool. Information about these trips is still available by request.



Commute Trips By Mode - Affected Employees

Q.4: Last week, what type of transportation did you use each day to commute TO your usual work location? (Mode used for the longest distance.)



Mode	Trips During This Survey	% of Trips During This Survey	% of Trips During Previous Survey	Employees Who Used This Mode at Least Once During This Survey	% of Employees Who Used This Mode at Least Once During This Survey	% of Employees Who Used This Mode at Least Once During Previous Survey
Drive Alone *	476	73.8%	67.3%	101	78.3%	73.4%
Carpool *	44	6.8%	8.2%	11	8.5%	10.8%
Vanpool	106	16.4%	19.8%	23	17.8%	20.1%
Bus	0	0.0%	2.5%	0	0.0%	3.6%
Rail	0	0.0%	0.0%	0	0.0%	0.0%
Bike	9	1.4%	0.1%	2	1.6%	0.7%
Walk	0	0.0%	0.0%	0	0.0%	0.0%
Telework	8	1.2%	0.9%	4	3.1%	2.9%
CWW	2	0.3%	1.0%	2	1.6%	4.3%
Boarded Ferry with Car/Van/Bus	0	0.0%	0.0%	0	0.0%	0.0%
Used Ferry As Walk On	0	0.0%	0.0%	0	0.0%	0.0%
Other	0	0.0%	0.1%	0	0.0%	0.7%

^{*} Motorcycle-1 is now included in Drive Alone and Motorcycle-2 is included in Carpool. Information about these trips is still available by request.

Alternative Modes - Number of Employees Who Used a Non-Drive Alone Mode:

Employer ID: E81018

Non-Drive Alone Number Of Days	Exactly this # of Employees	Exactly this % of Employees	At least # of Employees	At least % of employees	
0 Day	101	68%	149	100%	
1 Days	6	4%	48	32%	
2 Days	1	1%	42	28%	
3 Days	1	1%	41	28%	
4 Days	4	3%	40	27%	
5 Days	35	23%	36	24%	
6 or More Days	1	1%	1	1%	

Count by Occupancy of Carpools and Vanpools

Q.4 If you used a carpool or vanpool as part of your commute, how many people (age 16 or older) are usually in the vehicle?

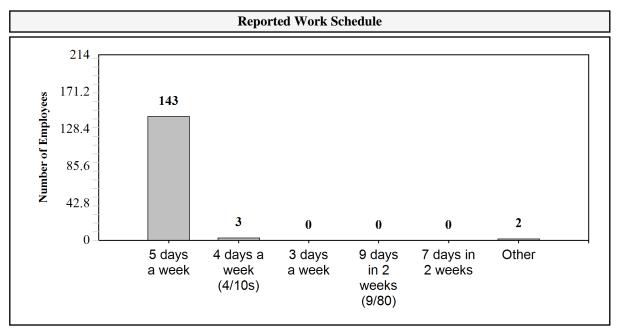
Ridesharing Occupancy	Mode	Response Count
2*	Carpool	67
3	Carpool	0
4	Carpool	1
5	Carpool	5
>5	Carpool	0
<5	Vanpool	44
5	Vanpool	57
6	Vanpool	15
7	Vanpool	0
8	Vanpool	0
9	Vanpool	0
10	Vanpool	0
11	Vanpool	0
12	Vanpool	0
13	Vanpool	0
14	Vanpool	0
>14	Vanpool	0

^{*} Motorcycle-2 counted with Carpool-2 for this table.



Reported Work Schedule - All Employees

Q.8 Which of the following best describes your work schedule?

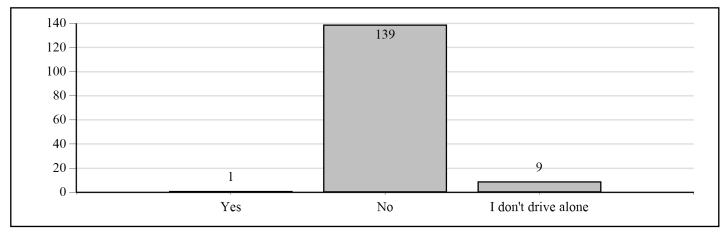


Reported Work Schedule	# Of Responses	% Of Employees
5 days a week	143	96.6%
4 days a week (4/10s)	3	2%
3 days a week	0	0%
9 days in 2 weeks (9/80)	0	0%
7 days in 2 weeks	0	0%
Other	2	1.4%

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Parking and Telework

Q.9: On the most recent day that you drove alone to work, did you pay to park? (Mark "yes" if you paid that day, if you prepaid, if you are billed later, or if the cost of parking is deducted from your paycheck.)



Q.10: How many days do you typically telework?

Telework Frequency	# of Responses	% of Responses
No Answer/Blank	0	0.0%
I don't telework	119	79.9%
Occasionally, on an as-needed basis	22	14.8%
1-2 days/month	3	2.0%
1 day/week	4	2.7%
2 days/week	0	0.0%
3 days/week	1	0.7%

Reasons for driving alone to work/not driving alone to work Q11. When you do not drive alone to work, what are the three most important reasons?

Question Text	# of Responses	% of Responses
To save money	58	19.9%
To save time using the HOV lane	43	14.8%
Other	36	12.4%
Personal health or well-being	31	10.7%
Free or subsidized bus, train, vanpool pass or fare benefit	29	10.0%
Environmental and community benefits	25	8.6%
Financial incentives for carpooling, bicycling or walking.	23	7.9%
I have the option of teleworking	15	5.2%
Driving myself is not an option	12	4.1%
Emergency ride home is provided	11	3.8%
Cost of parking or lack of parking	3	1.0%
Preferred/reserved carpool/vanpool parking is provided	3	1.0%
I receive a financial incentive for giving up my parking space	2	0.7%

Q12. When you drive alone to work, what are the three most important reasons?

Question Text	# of Responses	% of Responses
I like the convenience of having my car	99	28.3%
Riding the bus or train is inconvenient or takes too long	83	23.7%
Family care or similar obligations	57	16.3%
My commute distance is too short	31	8.9%
Other	30	8.6%
My job requires me to use my car for work	19	5.4%
Bicycling or walking isn't safe	18	5.1%
I need more information on alternative modes	11	3.1%
There isn't any secure or covered bicycle parking	2	0.6%

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Commute Mode By ZipCode for All Employees

Q6. What is your home zip code?

							Week	ly Cou	nt of Ti	rips By	Mode				
Home Zip code	Total Employees	Employee Percentage	Drive Alone	Carpool	Vanpool	Motorcycle	Bus	Train	Bike	Walk	Telework	CWW	Ferry (Car/Van/Bus)	Ferry (walk-on)	Other
98034	12	8.05%	51	6	0	0	0	0	4	0	1	0	0	0	0
98052	12	8.05%	56	0	0	0	0	0	5	0	0	0	0	0	0
98012	10	6.71%	24	15	5	0	0	0	0	0	0	0	0	0	0
98074	6	4.03%	30	0	0	0	0	0	0	0	0	0	0	0	0
98021	5	3.36%	22	1	0	2	0	0	0	0	0	0	0	0	0
98296	5	3.36%	24	0	0	0	0	0	0	0	0	0	0	0	0
98004	4	2.68%	17	0	0	0	0	0	0	0	0	0	0	0	0
98011	4	2.68%	20	0	0	0	0	0	0	0	0	0	0	0	0
98272	4	2.68%	20	0	0	0	0	0	0	0	0	0	0	0	0
98031	3	2.01%	7	0	7	0	0	0	0	0	0	0	0	0	0
98037	3	2.01%	5	0	10	0	0	0	0	0	0	0	0	0	0
98056	3	2.01%	0	15	0	0	0	0	0	0	0	0	0	0	0
98059	3	2.01%	5	0	10	0	0	0	0	0	0	0	0	0	0
98087	3	2.01%	13	0	3	0	0	0	0	0	1	0	0	0	0
98118	3	2.01%	5	10	0	0	0	0	0	0	0	0	0	0	0
98178	3	2.01%	12	0	5	0	0	0	0	0	0	0	0	0	0
98204	3	2.01%	10	0	5	0	0	0	0	0	0	0	0	0	0
98258	3	2.01%	4	1	9	0	0	0	0	0	0	0	0	0	0
98007	2	1.34%	10	0	0	0	0	0	0	0	0	0	0	0	0
98019	2	1.34%	9	0	0	0	0	0	0	0	0	1	0	0	0
98020	2	1.34%	10	0	0	0	0	0	0	0	0	0	0	0	0
98033	2	1.34%	10	0	0	0	0	0	0	0	0	0	0	0	0
98042	2	1.34%	0	0	10	0	0	0	0	0	0	0	0	0	0
98077	2	1.34%	10	0	0	0	0	0	0	0	0	0	0	0	0
98103	2	1.34%	5	0	5	0	0	0	0	0	1	0	0	0	0
98117	2	1.34%	1	9	0	0	0	0	0	0	0	0	0	0	0

Employer ID: E81018	Em	olover	ID:	E81018
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				Weekly Count of Trips By Mode											
Home Zip code	Total Employees	Employee Percentage	Drive Alone	Carpool	Vanpool	Motorcycle	Bus	Train	Bike	Walk	Telework	CWW	Ferry (Car/Van/Bus)	Ferry (walk-on)	Other
98125	2	1.34%	5	0	5	0	0	0	0	0	0	0	0	0	0
98133	2	1.34%	10	0	0	0	0	0	0	0	0	0	0	0	0
98188	2	1.34%	1	5	5	0	0	0	0	0	0	0	0	0	0
98251	2	1.34%	0	5	0	0	0	0	0	0	0	0	0	0	0
98270	2	1.34%	6	1	3	0	0	0	0	0	0	0	0	0	0
97003	1	0.67%	0	0	0	0	0	0	0	0	5	0	0	0	0
98005	1	0.67%	6	0	0	0	0	0	0	0	0	0	0	0	0
98006	1	0.67%	6	0	0	0	0	0	0	0	0	0	0	0	0
98008	1	0.67%	4	0	0	0	0	0	0	0	0	1	0	0	0
98014	1	0.67%	5	0	0	0	0	0	0	0	0	0	0	0	0
98024	1	0.67%	5	0	0	0	0	0	0	0	0	0	0	0	0
98027	1	0.67%	5	0	0	0	0	0	0	0	0	0	0	0	0
98028	1	0.67%	5	0	0	0	0	0	0	0	0	0	0	0	0
98030	1	0.67%	0	5	0	0	0	0	0	0	0	0	0	0	0
98032	1	0.67%	0	0	5	0	0	0	0	0	0	0	0	0	0
98036	1	0.67%	5	0	0	0	0	0	0	0	0	0	0	0	0
98038	1	0.67%	5	0	0	0	0	0	0	0	0	0	0	0	0
98040	1	0.67%	5	0	0	0	0	0	0	0	0	0	0	0	0
98046	1	0.67%	5	0	0	0	0	0	0	0	0	0	0	0	0
98053	1	0.67%	5	0	0	0	0	0	0	0	0	0	0	0	0
98055	1	0.67%	0	0	5	0	0	0	0	0	0	0	0	0	0
98058	1	0.67%	0	0	5	0	0	0	0	0	0	0	0	0	0
98065	1	0.67%	5	0	0	0	0	0	0	0	0	0	0	0	0
98072	1	0.67%	5	0	0	0	0	0	0	0	0	0	0	0	0
98075	1	0.67%	6	0	0	0	0	0	0	0	0	0	0	0	0
98106	1	0.67%	5	0	0	0	0	0	0	0	0	0	0	0	0
98107	1	0.67%	5	0	0	0	0	0	0	0	0	0	0	0	0
98115	1	0.67%	5	0	0	0	0	0	0	0	0	0	0	0	0
98119	1	0.67%	5	0	0	0	0	0	0	0	0	0	0	0	0

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			Weekly Count of Trips By Mode												
Home Zip code	Total Employees	Employee Percentage	Drive Alone	Carpool	Vanpool	Motorcycle	Bus	Train	Bike	Walk	Telework	CWW	Ferry (Car/Van/Bus)	Ferry (walk-on)	Other
98144	1	0.67%	5	0	0	0	0	0	0	0	0	0	0	0	0
98198	1	0.67%	5	0	0	0	0	0	0	0	0	0	0	0	0
98199	1	0.67%	0	0	5	0	0	0	0	0	0	0	0	0	0
98203	1	0.67%	0	0	5	0	0	0	0	0	0	0	0	0	0
98208	1	0.67%	5	0	0	0	0	0	0	0	0	0	0	0	0
98271	1	0.67%	4	0	0	0	0	0	0	0	0	0	0	0	0
98274	1	0.67%	5	0	0	0	0	0	0	0	0	0	0	0	0
98275	1	0.67%	0	0	5	0	0	0	0	0	0	0	0	0	0
98294	1	0.67%	1	0	4	0	0	0	0	0	0	0	0	0	0
98597	1	0.67%	5	0	0	0	0	0	0	0	0	0	0	0	0

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